

IN THE CLAIMS

- 1 1. (original) An identification tag in a form of a single microcircuit, comprising:
2 an optical transceiver;
3 a radio transceiver;
4 a memory storing an identification code connected to the optical transceiver
5 and the radio transceiver;
6 means for operating at least one of the transceivers in receive mode while
7 operating at least one of the transceivers in transmit mode; and
8 means for transmitting the identification code by the transceiver operating in
9 the transmit mode in response to receiving a predetermined signal by the
10 transceiver operating in the receive mode.
- 1 2. (original) The identification tag of claim 1, in which the optical transceiver
2 includes a single photodiode configured to transmit and receive light signals.
- 1 3. (original) The identification tag of claim 1, in which the radio transceiver
2 includes an antenna formed as an induction coil.
- 1 4. (original) The identification tag of claim 3, in which the induction coil acquires
2 power for the optical transceiver.
- 1 5. (original) The identification tag of claim 4, further comprising:
2 means for storing the power.
- 1 6. (original) The identification tag of claim 1, in which the identification code
2 includes one or more dates.

1 7. (original) The identification tag of claim 1, in which the received signal is a light
2 signal, and the transmitted signal is a radio signal.

1 8. (original) The identification tag of claim 1, in which the received signal is a
2 radio signal.

1 9. (original) The identification tag of claim 1, further comprising:
2 means for operating at least one of the transceivers in receive mode and
3 transmit mode while operating the other transceivers in transmit mode.

1 10. (original) The identification tag of claim 1, further comprising:
2 means for operating at least one of the transceivers in receive mode and
3 transmit mode while operating the other transceivers in receive mode.

1 11. (original) The identification tag of claim 1, further comprising:
2 means for operating at least one of the transceivers in receive mode and
3 transmit mode while operating the other transceivers in receive mode and transmit
4 mode.

1 12. (original) The identification tag of claim 1, further comprising:
2 means for synchronizing the transmitting and receiving according to
3 receiving light.

1 13. (currently amended) The identification tag of claim 1, in which the ~~OF~~ optical
2 transceiver is omni-directional.

1 14. (currently amended) The identification tag of claim 1, in which the ~~OF~~ optical
2 transceiver is narrow beam.

1 15. (previously presented) An identification method, comprising:
2 storing an identification code in a memory connected to an optical
3 transceiver and an radio transceiver;
4 operating at least one of the transceivers in receive mode while operating at
5 least one of the transceivers in transmit mode; and
6 transmitting the identification code by the transceiver operating in the
7 transmit mode in response to receiving a predetermined signal by the transceiver
8 operating in the receive mode.

1 16. (previously presented) An identification tag comprising:
2 a memory storing an identification code;
3 an optical communication part for receiving a predetermined optical signal;
4 and
5 a radio communication part for transmitting the identification code stored in
6 the memory when receiving the predetermined optical signal by the optical
7 communication part.

1 17. (previously presented) An identification tag of claim 16, wherein the optical
2 communication part transmits an optical signal, the radio communication part
3 receives a radio signal, further comprising:
4 means for operating at least one of the communication parts in receive mode
5 while operating at least one of the communication parts in transmit mode; and

means for transmitting the identification code by the communication parts operating in the transmit mode in response to receiving a predetermined signal by the communication parts operating in the receive mode.

18. (currently amended) An identification method, comprising:

receiving a predetermined optical signal at an optical communication ~~part~~ transceiver in an identification tag; and

transmitting an identification code stored in memory by a radio communication ~~part~~ transceiver when receiving the predetermined optical signal by the optical communication part.

19. (currently amended) An identification method of claim 18, further comprising:

operating at least one of the communication ~~parts~~ transceivers in receive mode while operating at least one of the communication ~~parts~~ transceivers in transmit mode; and

transmitting the identification code by the communication ~~parts~~ transceiver operating in the transmit mode in response to receiving a predetermined signal by the communication ~~parts~~ transceiver operating in the receive mode.

20. (previously presented) An identification reader, comprising:

an optical communication part transmitting a predetermined optical signal; and

a radio communication part receiving an identification code transmitted when receiving the predetermined optical signal by an identification tag.